

Red Hat Unveils JBoss AMQ 7

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Reactive architecture provides improved broker responsiveness and scalability coupled with a new router component that enables hybrid cloud messaging

RALEIGH, N.C.--(BUSINESS WIRE)-- Red Hat, Inc. (NYSE: RHT), the world's leading provider of open source solutions, today introduced **Red Hat JBoss AMQ 7**. The latest release of Red Hat's messaging platform combines the performance and efficiency of reactive programming with a more flexible architecture, giving customers a strong foundation for building distributed, reactive message-driven applications.

Based on the upstream [Apache ActiveMQ](#) and [Apache Qpid](#) community projects, JBoss AMQ is a lightweight, standards-based open source messaging platform designed to enable real-time communication between different applications, services, devices, and the Internet of Things (IoT). It also serves as the messaging foundation for [Red Hat JBoss Fuse](#), Red Hat's lightweight, flexible integration platform, and is designed to provide the real-time, distributed messaging capabilities needed to support an agile integration approach for modern application development.

JBoss AMQ 7 introduces technology enhancements across three core components: the broker, clients, and interconnect router.

Broker – The JBoss AMQ broker, based on [Apache ActiveMQ Artemis](#), manages connections, queues, topics, and subscriptions. Using innovations from Artemis, the broker has an asynchronous internal architecture, which can increase performance and scalability and enable it to handle more concurrent connections and achieve greater message throughput.

Clients – JBoss AMQ 7 expands its support of popular messaging APIs and protocols by adding new client libraries, including Java Message Service (JMS) 2.0, JavaScript, C++, .Net, and Python. With existing support for the popular open protocols MQTT and AMQP, JBoss AMQ 7 now offers broad interoperability across the IT landscape that can open up data in embedded devices to inspection, analysis, and control.

Interconnect – The new interconnect router in JBoss AMQ 7 enables users to create a network of messaging paths spanning datacenters, cloud services, and geographic zones. The interconnect component serves as the backbone for distributed messaging, providing redundancy, traffic optimization, and more secure and reliable connectivity.

Availability

JBoss AMQ 7 is expected to be available for download by members of the [Red Hat Developers](#) community this Summer. Customers will be able to get the latest updates from the Red Hat Customer Portal.

Supporting Quote

Mike Piech, vice president and general manager, Red Hat JBoss Middleware

“As customers come to expect a more responsive and consistent experience from the companies they do business with, technology plays a central role in enabling greater levels of interconnection and scalability to help meet this expectation. With its new reactive messaging architecture, JBoss AMQ is well-suited to support the applications and infrastructure that can help deliver those experiences.”

Additional Resources

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